

J. S. BASHAW INVENTOR OF NEW REFRIGERATOR PROCESS

Any Ordinary Car, By This Process, May be
Utilized to Advantage.

IS DESTINED TO BECOME GREAT BENEFIT

To the Growers of Vegetables in Florida and Else-
where, And Will Save a Great Deal Over the
Regular Refrigeration.

Julian Seay Bashaw, for many years a resident of Gainesville, has invented something new in the line of refrigeration which he claims is going to revolutionize the world in the matter of cheap and effective transportation of perishables by refrigeration process.

There are two advantages to this wonderful invention. The first and most important is the saving in refrigeration charges, and the second is that any ordinary railroad car may be used to advantage. This will obviate the great inconvenience and delay sometimes occasioned in the inability to secure the regular refrigerator car, thus delaying the shipments and in some events causing loss to the shippers.

Mr. Bashaw has secured his patent, and the following notice has been issued from the United States Patent Office:

To all whom it may concern:

Be it known that I, JULIAN SEAY BASHAW, a citizen of the United States, and a resident of Gainesville, in the county of Alachua, and State of Florida, have invented a new and Improved Refrigerator-Car, of which the following is a full, clear, and exact description.

This invention relates to an improvement

outer-ends with valves 23, by which the amount of air flowing through the pipes may be regulated. By means of this arrangement the incoming air is passed into immediate association with the cold water formed by the melting of the ice, and said air is to a certain extent cooled before it is brought into contact with the ice-tanks. The valves 19 have operating-arms 24 attached thereto, and said arms are in connection with rods 25, which extend up to the upper portions of the tanks to facilitate the operation of the valves 19, not only from the floor of the car, but by enabling an attendant to reach through the opening 17.

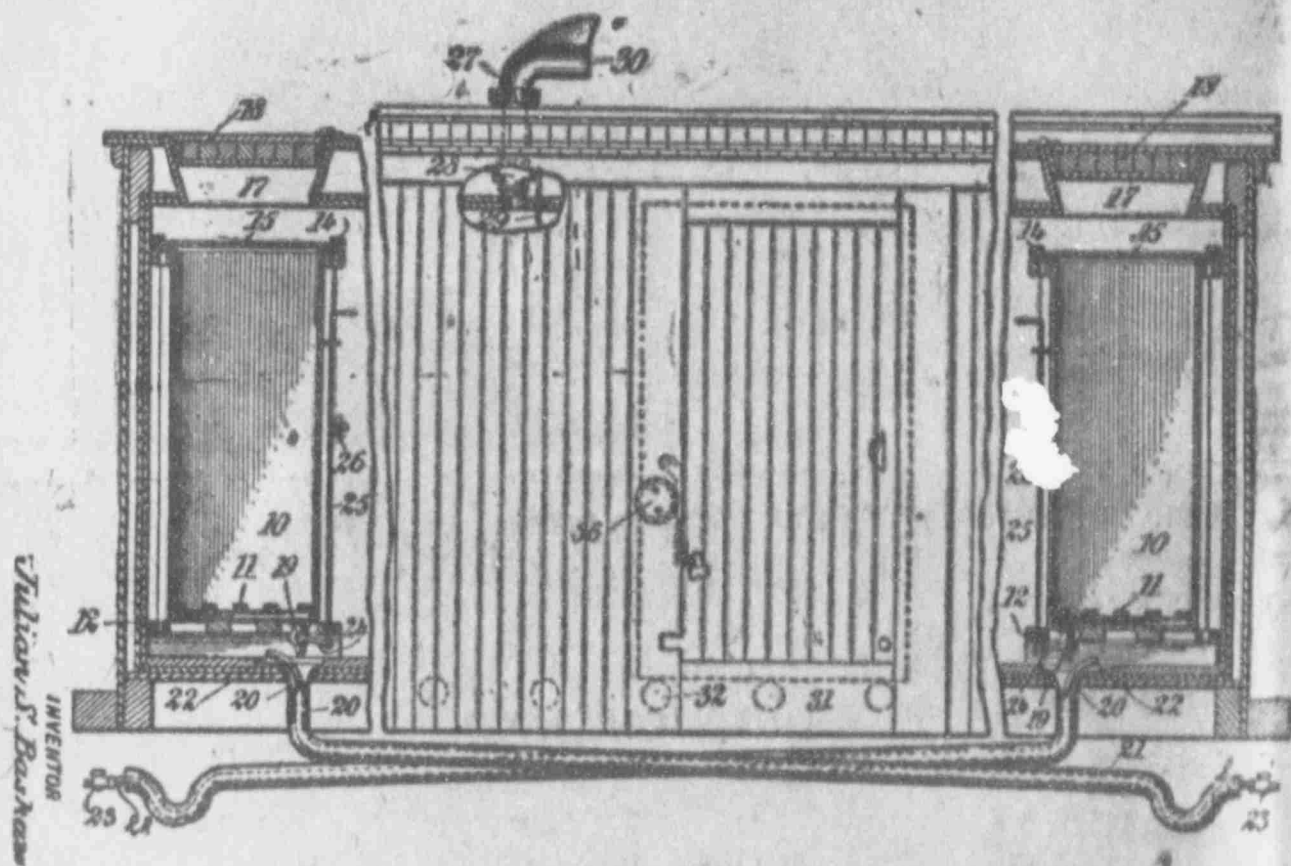
26 indicates a brace which extends transversely across the car at each end thereof to hold the ice-boxes removably in place.

Passing through the roof of the car is an air-outlet pipe 27, provided with a valve or cock 28, having an operating device 29 passing downward into the interior of the car to facilitate the adjustment of the cock 28, and by means of this cock the flow of air through the outlet-pipe 27 may be regulated at will.

30 indicates a cowl which is mounted to turn freely on the upper end of the outlet-pipe 27, so that the cowl will always discharge oppositely to the direction in which the train is moving or to leeward of a breeze which may be blowing when the train is at a standstill.

With the car constructed as described the warm air as it enters the pipes 22 is cooled by the drainage in the pipes 21 and then passes under the tanks 10. After circulating around these tanks it passes into contact with the contents of the car and is finally drawn out through the discharge-pipe 27. A continuous circulation is thus maintained, the warm air and gases generated by the perishable contents of the car being steadily withdrawn and its place taken by the cold air drawn in through the pipes 22.

31 indicates the door of the car, which is mounted to slide on the supporting-rollers 32, arranged longitudinally along side the of the car, and 36 indicates any suitable lock therefor. Various changes in the form, proportions,



in refrigerating-cars which enables me conveniently to adapt a car of ordinary construction to use as a refrigerator, this end being attained, generally speaking, by providing one or more ice-tanks of certain peculiar construction which are capable of being placed in the car through the usual door thereof.

The invention also involves novel means for circulating air through the car, all of which will be hereinafter fully set forth.

This specification is an exact description of one example of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the invention with parts broken away. Fig. 2 is a cross-section thereof, and Fig. 3 is a detail perspective of one of the ice-tanks.

10 indicates the ice-tanks, which are constructed, preferably, of metal and provided with a rack 11 in their bottoms and a grating or inclosing frame 12 surrounding them and serving not only to protect the tanks, but to permit the circulation of air freely around the sides thereof. As best shown in Fig. 3, said tanks are provided on their upper edges with guides 14, in which is arranged a sliding cover 15, this cover serving to close the opening 16 in the top of the tank, through which opening the ice is admitted. In order to facilitate the introduction of the ice into the tanks, the roof of the car is provided with two openings 17, one for each tank, and a non-conducting closure 18 is fitted to each opening.

19 indicates drip-cocks, which are applied to the bottom of the tanks 10 and which empty into drip-pans 20 in the bottom of the car. From these pans tubes 21 lead, respectively, to opposite ends of the car to carry off the water formed by the melting of the ice, said tubes having traps therein to prevent air-currents from passing through the tubes.

22 indicates air-pipes, which are passed through the respective drip-pipes and extend upward to discharge air under the respective tanks. Said air-pipes are provided at their

and minor details of my invention may be resorted to at will without departing from the spirit and scope thereof. Hence I consider myself entitled to all such variations as may lie within the intent of my claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of a railway-car, a refrigerator-tank in each end thereof, drip-pipes passing through the car-bottom respectively below the refrigerator-tanks and extending past each other respectively to the opposite ends of the car, and air-circulating pipes passed through the drip-pipes and leading from the atmosphere into the car below the refrigerator-boxes.

2. The combination of a railway-car, a refrigerator-tank in each end thereof, drip-pipes passing through the car-bottom respectively below the refrigerator-tanks and extending past each other respectively to the opposite ends of the car, air-circulating pipes passed through the drip-pipes and leading from the atmosphere into the car below the refrigerator-boxes, the said drip-pipes having traps therein, and means controlling the air-flow through the air-pipes.

3. The combination of a railway-car having an opening in the top thereof, a removable closure for said opening, a tank located in the car below the opening, a removable closure for the top of the tank, a valve commanding a drip-outlet from the lower part of the tank and a valve-actuating means connected to the valve and extending upward outside of the tank adjacent to the upper end thereof and to the opening in the top of the car for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JULIAN SEAY BASHAW.

Witnesses:
M. S. CHEVES,
FERDINAND BAYEL

Advertising in THE SUN Pays.

The East Florida Seminary NORMAL

The Normal Class Opens March 13

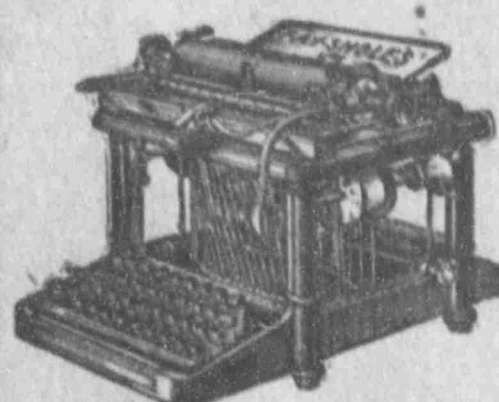
Continuing for Eight Weeks.

This is the Teachers' Normal Institute for Alachua county and is endorsed by the State Superintendent as one of the Normals under his control. Lady teachers can be boarded in the Young Ladies' Dormitory, and board can also be procured at reduced rates in the city.

The classes in the Seminary, both in the Literary and Business Departments, will be open to those desiring to enter at any time, besides the regular Normal work.

For further information address the Superintendent,

JERE M. POUND,
GAINESVILLE, FLA.



Fay-Sholes Typewriter

ACKNOWLEDGED
THE BEST
MACHINE ON THE MARKET

UNIVERSAL KEYBOARD | Has Tabulator
—ON—
Every Machine.

Lightest Shift! Lightest Running! The
Champion Speed Writers of the World
Use the Fay-Sholes. More Fay-Sholes in
use in Gainesville than any other machine.

For Sale by....

THE SUN, Gainesville, Fla.

ABSTRACT & REALTY COMPANY

(Incorporated)

E. E. VOYLE, MGR.

Abstracts of Title and full information furnished regarding lands in this county. Our manager has lived in this county thirty years and is thoroughly conversant with land titles.

E. E. VOYLE

FIRE, ACCIDENT, BURGLARY AND INDEMNITY INSURANCE. Representing a number of prominent American and English companies.

REAL ESTATE AND CITY LOANS.

Gainesville : : Florida

LAND TITLES...

"The question of Title a first consideration for the investor."

Title is what you pay for when you buy land; therefore know what you are buying.

... Titles ordinarily invisible correctly revealed to you by ...

The - Alachua - County - Abstract - Company,
Gainesville, Florida.

G. S. MERCHANT & CO.

Retailers and Jobbers in

Staple and Fancy Groceries,

Grain, Garden Seed and Fertilizers.

SOUTH SIDE SQUARE. : : GAINESVILLE, FLORIDA

Highest market price paid for Chickens, Eggs and other Produce.

A Complete stock of Hay, Corn, Oats, Flour, Bran, Meal, Cotton Seed Meal and Rye. We handle only the VERY BEST goods at the LOWEST PRICES, and guarantee satisfaction always.

FIRE, LIFE AND
ACCIDENT IN
THE OLDEST
AND BEST COM-
PANIES

B. F. JORDAN, INSURANCE

PORTER BLOCK

GAINESVILLE